Maurwin Bhardwaj

maurwin2003@gmail.com | +91 8928878578 | linkedin.com/in/maurwin-bhardwaj | github.com/MaurwinK

DevOps and Cloud Engineer with hands-on experience building, deploying, and maintaining **production-grade, multi-region AWS infrastructure** for a B2B SaaS startup. Strong background in CI/CD automation, containerization, infrastructure-as-code, monitoring, and cloud security. Proven ability to handle **real production deployments**, environment isolation, and cost optimization in fast-paced startup environments.

TECHNICAL SKILLS

- **Foundation:** Operating System, Linux, Computer Networks, Shell Scripting
- **Infrastructure/Configuration Management:** AWS, Terraform, Ansible
- **CI/CD Automation:** GitHub, GitHub Actions, Jenkins
- **Containerization:** Docker, Kubernetes
- **Monitoring & Observability:** Prometheus, Grafana, Open Telemetry(OTel), SigNoz
- **Development:** Java, MySQL, JDBC, JavaFX

PROFESSIONAL EXPERIENCE

- **DevOps Engineer – Network Science**

India | UK
Nov 2025 – Present

- Assisted in designing, provisioning, and maintaining **multi-region AWS infrastructure** (India, UK, UAE) supporting Dev, QA, COE/R&D, and Production environments using **Terraform (IaC)**.
- Architected a **local–global infrastructure model**, including VPC design, VPC peering (UK ↔ India, UAE ↔ India), and Transit Gateway integration.
- Built and maintained **end-to-end CI/CD pipelines** for frontend and backend services across Dev, QA, COE, and Production, enabling frequent and safe production releases.
- Containerized Node.js-based microservices using **Docker**, finalized optimized Dockerfiles and Docker Compose configurations, and standardized environment variable injection via CI-generated ENV files.
- Implemented **GitHub repository architecture and branching strategy** (dev, QA, prod, COE), including branch protection rules and controlled access.
- Deployed and managed applications on **AWS ECS**, including Docker image creation, pushing to **Amazon ECR**, cluster creation, service configuration, task definition, and ALB integration.
- Implemented **Application Load Balancer (ALB) and Auto Scaling Groups (ASG)** for high availability and scalability in production environments.
- Set up centralized monitoring and logging using **Prometheus, Grafana, OpenTelemetry, and SigNoz** across all environments, including Node Exporter → OTEL → Prometheus → Grafana pipelines.
- Extended observability to **database workloads**, ensuring visibility across compute, application, and data layers.
- Conducted **AWS security and compliance assessments** using tools such as Acunetix and EC2 vulnerability scanners; collaborated with product teams to resolve findings.
- Contributed to FinOps initiatives, including cost analysis, reporting, optimization decisions, and infrastructure standardization.
- Provisioned and maintained **QA and COE/R&D environments**, enabling experimentation without impacting production systems.

- Assisted in designing **Kafka**-based local–global architecture and supported CI/CD integration for Kafka-backed distributed backend services.
- Deployed and maintained **internal tooling** such as Outline documentation, DeepWiki, and other open-source DevOps utilities.
- Created and delivered **AWS architecture diagrams**, infrastructure documentation, cost reports, and operational runbooks.
- Handled **production deployments** for local and global frontend and backend services, ensuring stability, monitoring coverage, and rollback readiness.
- Supported **client onboarding** by provisioning region-specific infrastructure and ensuring CI/CD, monitoring, and logging readiness.

- **Production Head & DevOps Team (Leadership & Assistant Role) – BunchUp | 2022-2024**

Led design, branding, and DevOps initiatives at BunchUp, CI/CD automation, cloud infrastructure management, and collaboration across development and marketing teams for scalable delivery, boosting digital engagement by 100% through creative content creation.

PROJECTS

Cloud Hosted Portfolio Website | AWS | GitHub Actions | Terraform | Ansible | July 2025
- Implemented a pre-made portfolio website on AWS with high scalability and availability.
- Implemented IAM, EC2, ALB, ASG, and Route 53 for optimized performance.
- Reduced deployment time by 40% using GitHub Actions CI/CD.
- Automated provisioning and configuration of structure using Terraform and Ansible

Dockerized 3-Tier Web Application Deployment on EC2 | AWS | Docker | August 2025
- Automated and deployed a 3-tier "My Notes" web app using Docker Compose with Nginx (frontend), Django (backend), and MySQL (database).
- Hosted on AWS EC2 with custom security groups for production-level deployment.
- Ensured scalability and maintainability through containerization.

Kubernetes-Powered MERN Chat App | AWS | Docker | Kubernetes | September 2025
- Deployed a full-stack MERN chat app on a local Kubernetes cluster (Minikube).
- Managed frontend, Node.js, and MongoDB database using container orchestration.
- Orchestrated automated scalable deployment practices for efficient development and testing.

Management System for Bank | Java | MySQL | JavaFX | JDBC | June 2024
- Built robust management systems with MySQL integration to handle complex data operations, optimize information flow, and ensure reliable record management.

EDUCATIONAL DETAILS

Bachelor of Engineering (B.E.) in Computer Science (Cyber Security),
University of Mumbai — CGPA: 8.71 (2021–2025)

Higher Secondary School Certificate(H.S.C) in Science (PCM)
CBSE — Percentage: 81.6% (2018-2020)

Secondary School Certificate(S.S.C)
CBSE — Percentage: 93% (2007-2018)